

Hewlett-Packard
General, Thomas G.
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESS: Genetics Institute, Inc.
STREET: 47 Cambridge Park Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140

COMPUTER READABLE FORM:

MEDIA TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/124,557
FILING DATE: 16-APR-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/546,114
FILING DATE: 18-JAN-1991
APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1988
ATTORNEY/AGENT INFORMATION:
NAME: Scott, Iwan
REGISTRATION NUMBER: 31,922
REFERENCE/DOCKET NUMBER: GI 5190
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 876-5851
TELEFAX: (617) 876-5851

SEQUENCE CHARACTERISTICS:

LENGTH: 1404 amino acids
TYPE: amino acid
MOLECULE TYPE: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 621
-10-124-557-62

Query Match 3.8% Score 267, PA 10, Length 1404,
Best Local Similarity 31.8%, Pred No 1 99-06,
Matches 143, Conservative 70, Mismatches 356, Indels 211, Gaps 37.

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400 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 469
210 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 504
447 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 539
244 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 574
500 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 609
310 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 644
560 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 679
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QY 733 ATQPPST-----TAPVPPPAQVQ PPSNPPVQVQ PPSNPPVQVQ PPSNPPVQVQ 768
Db 471 TREPAPPTREPAPTAPPTAPPTAPPTAPPTAPPTAPPTAPPTAPPTAPPT 506
QY 746 QCPVPPVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQ 845
R 706 TTPV .....SPTTTPPTTTPPTTTPPTTTPPTTTPPTTTPPTTTPPTTTP 740
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RESULT 11

US-09-735-367B-3
Sequence 3, Application US/09735367B
Patent No. US20020151477A1
GENERAL INFORMATION:
APPLICANT: Gustafsson, Jan-Ake
APPLICANT: Calra, Francoise
APPLICANT: Antonsson, Per
TITLE OF INVENTION: INTERFERON- β FEEDBACK ACTIVATOR
FILE REFERENCE: 102093-100
CURRENT APPLICATION NUMBER: US/09/735,367B
CURRENT FILING DATE: 2900 12 12
PRIOR APPLICATION NUMBER: US 60/174,344
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 3
LENGTH: 2005
TYPE: PRT
ORGANISM: mammal
US-09-735-367B-3

Query Match 3.8% Score 267, DB 10, Length 2005,
Best Local Similarity 19.1%, Pred No 1 99-06,
Matches 247, Conservative 122, Mismatches 430, Indels 402, Gaps 98.

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DE 62 PEGGLVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQVQ 284
QY 277 TTPPDDPFFPFFSVTSSGHTFFIFPSPDFFITF LQCHPQCALEFHPWMLBLG 339

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APPLICATION NUMBER: US/10/124,557
 FILING DATE: 16-Apr-2002
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/643,502
 FILING DATE: 18-JAN-1991
 APPLICATION NUMBER: US 07/546,114
 FILING DATE: 23-JUN-1990
 APPLICATION NUMBER: US 07/457,196
 FILING DATE: 23-DEC-1989
 APPLICATION NUMBER: US 07/390,901
 FILING DATE: 08-AUG-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Coert, Luann
 REGISTRATION NUMBER: 31,822
 REFERENCE/DOCKET NUMBER: GI 5190
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 876-1170
 TELEFAX: (617) 876-5851
 INFORMATION FOR SEQ ID NO: 58:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1049 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 58:
 US-10-124-557-58
 Query Match 3.8%; Score 264 5, PR 12; Length 1049;
 Best Local Similarity 21.9%; Pct. No. 1.2e-06;
 Matches 172; Conservative 68; Mismatches 326; Indels 223; Gaps 14;
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 400 PAPPALEKPKLVNSQASGM-----AALQH-KTIGALPQGLAPMSR-S 446
 119 KPPT--VTFAGSGLENGRPVYTPPTSTQIMKYSTQVITPAFTIPPP 172
 447 HPTQLKFAQCPROMALVFTFEESLSAEVSTSG;FAWLLSS;SAAPAGK 506
 173 LPSNDSFE-----TSIVPEITVEITETINQ;-----TSDQERITGAE 218
 507 VLSHSDAMPD;GCGFVL-----FLGGTEDLSPAGSNVPLPLGLASIFPA 549
 219 TQSIPTSAKLAPTSVIALKPTPAETTKGALTTPK;TTTTEDNATTTREPT 274
 560 VQAPSLPGLPQGPAPILASSPPQASPKENLDGFVHLFEVALAP;GFSLEQWALS 619
 277 FTIKSAFTIPREPAPITTKAP-----TPK-----EPA----- 106
 400 PWDQSSVETLSSINWTFQAVAGSGPAMTVA;-----MVAAGKA;VETPA 172
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 356 TREKFAFTPK-----EPTTKETKAPT----- 479
 773 AFGQPTST-----TAPATFTDAQF;FTTSULEFSV;SFEETFEASSTET 784
 360 TREKFAFTPKFAFPAPKFAFTTALFAITPKPAFTTKREPSF-----TTPK 444
 784 QCFPVTF;KVGCGTFTVTPFAVQ;TQEMEEDEEDFALESFFPTPVAKPL 945
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 846 -----KASPKAVKEDAEPAQREVLQSDP;VHSSNSAPQHP----- 884
 487 PTTTTPPATTTKPAFTTKKPAFAPEFAFTTETETVATTPPATTTTEENKAT 546
 846 -----VSSSR;AFFPQSGPHQNT;LWVSL;FT 574

STATE: Massachusetts
COUNTRY: U.S.A.

ZIP: 02100

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
SERIALS SYSTEM: FDS-03/VS-033

SOFTWARE: Parentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA: US/07/457.196

APPLICATION NUMBER: US/07/457.196

CLASSIFICATION: <unknown>

FILE NAME: US/07/457.196

APPLICATION NUMBER: US/07/457.196

FILE NAME: US/07/457.196

APPLICATION NUMBER: US/07/457.196

ATTORNEY/AGENT INFORMATION:

NAME: Gentry, Luann

REGISTRATION NUMBER: 31,822

PERFORMANCE/INVENT NUMBER: 61,990

TELEPHONE: (617)876-1170

TELEFAX: (617)876-5851

INFORMATION FOR SEQ ID NO: 50:

SEQUENCE CHARACTERISTICS:

LENGTH: 1314 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 50:

S-10-124-557-50

Query Match

Best Local Similarity: 21.8%, Pos: 100%, Neg: 100%, Id: 100%, Length: 1314, P: 100%

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QY 512 --DEFEALAVLILCMHLLSTPHQSSPPAVVH...KASPPAVKEDAE 610
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Search time: 113.409 sec
Job time: 113.409 sec

JOURNAL Patent: WO 01/66666-A 2 20-SEP-2001;

SCHUBING ARTIENSELLECHAPF (EE)

FEATURE location/Qualifiers

808134

/organism="Mus sp."

/AP-Xref: "x-ref: locus"

BASE COUNT 1433 A 1919 C 1733 G 1219 T

ORIGIN

Query Match: 100.0% Score 6292, E-0.0 Length 6293;
 Best Local Similarity 100.0% Ident No 0;
 Matches 6293; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 DB 1 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 60

QY 42 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 120
 DB 42 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 120

QY 84 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 180
 DB 84 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 180

QY 126 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 240
 DB 126 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 240

QY 168 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 300
 DB 168 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 300

QY 210 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 360
 DB 210 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 360

QY 252 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 420
 DB 252 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 420

QY 294 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 480
 DB 294 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 480

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 DB 336 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 540

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 DB 1026 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 1200

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 DB 1488 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 1860

QY 1530 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 1920
 DB 1530 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 1920

QY 1572 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 1980
 DB 1572 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 1980

QY 1614 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2040
 DB 1614 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2040

QY 1656 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2100
 DB 1656 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2100

QY 1698 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2160
 DB 1698 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2160

QY 1740 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2220
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QY 1782 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2280
 DB 1782 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2280

QY 1824 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2340
 DB 1824 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2340

QY 1866 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2400
 DB 1866 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2400

QY 1908 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2460
 DB 1908 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2460

QY 1950 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2520
 DB 1950 CATTGCACTGCTACATAGAGAGTGGACAGAGTTCATAGACAGAAACAGCGGCGGACATCTGGA 2520

[illegible]

| | | | |
|------------|---|--|------|
| Dp | 781 | AGCTTGTGCTTTATTCCTCAACCCATTGGTAAGTGAATAAGTAACTGATTAAC | 910 |
| OY | 5016 | GCTTTTGTAAGCCAGAGCGTAGGCATATGTAAAGTAAAGTAAAGAGAGGAGATG | 6675 |
| Dp | 841 | GCTTGTGACCCAGAGAGCTGAGTAAATGAATGAAGAGTAAAGAGTAAAGATTTG | 900 |
| OY | 5676 | GCTTTAATAGAGATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG | 5735 |
| Dp | 901 | GCTTTAATAGAGAGATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG | 960 |
| OY | 5736 | GATTAAGTAAATTTGAG | 5795 |
| Dp | 941 | GATTAAGTAAATTTGAG | 1020 |
| OY | 5796 | TGCTGATGAG | 5855 |
| Dp | 1001 | TGCTGATGAG | 1080 |
| OY | 5806 | AATTTGATTTGAG | 5915 |
| Dp | 1081 | AATTTGATTTGAG | 1140 |
| OY | 5916 | GTTGAGATTTGAG | 5975 |
| Dp | 1141 | GTTGAGATTTGAG | 1200 |
| OY | 5976 | ACAGCATCATTTCTTCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG | 6035 |
| Dp | 1201 | ACAGCATCATTTCTTCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG | 1260 |
| OY | 6036 | TGAGATTAAG | 6096 |
| Dp | 1261 | TGAGATTAAG | 1320 |
| OY | 6096 | GAGCAG | 6155 |
| Dp | 1321 | GAGCAG | 1380 |
| OY | 6156 | GAGCAG | 6215 |
| Dp | 1381 | GAGCAG | 1440 |
| OY | 6216 | CAGGAG | 6275 |
| Dp | 1441 | CAGGAG | 1500 |
| OY | 6276 | AAAAAAAAAAAAAAAAAAAAA | 6293 |
| Dp | 1501 | GTGTGAAAAAAAAAAAAA | 1518 |
| RESULT 10 | | | |
| LOCUS | AX253084 | 3780 bp | EMSA |
| DEFINITION | Sequence 7 from Patent WO0168866. | | |
| ACCESSION | AX253084 | | |
| VERSION | AX253084.1 | GI:15986280 | |
| KEYWORDS | | | |
| SOURCE | human. | | |
| ORGANISM | Homo sapiens | | |
| REFERENCE | Fukaya et al; Metazoa; Chordata; Craniata; Vertebrata; Euarchontom, | | |
| FEATURES | Mammalia; Eutheria; Plimates; Catarrhini; Hominoidea; Homo; | | |
| FEATURES | 1. base(s) 1 to 3780) | | |
| FEATURES | Brooks,A.R., Deng,G.G. and Rubanyi,G.M. | | |
| FEATURES | Estrogen-regulated unconventional myosin-related protein: | | |
| FEATURES | Compositions and methods of use | | |
| FEATURES | Patent: WO 016886-A-7 20-Sep 2001; | | |
| FEATURES | SCHERING AKTIENGESSELLSCHAFT (DE) | | |
| FEATURES | Location/Qualifiers | | |
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| FEATURES | /organism="Homo sapiens" | | |
| FEATURES | /db_xref="taxon:9606" | | |
| FEATURES | /note="Partial DNA sequence for human myosin related | | |

Job time: 10:53:06

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THE UNIVERSITY OF CHICAGO

(without alignments)
1964-400 million 210,000,000

[illegible]

Corning table: Identity was
 changed to 0
 Approx 1 0

of number of ...

Maximum Match 100%
Listing File in Database

[illegible]

First, M is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

| Accession | Size | GC% | Length | GC | ID | Description |
|-----------|--------|-------|--------|----|----------|---------------------|
| U00006 | 6293 | 100.0 | 6293 | 72 | AA833818 | GENA #1 encoding |
| U00007 | 4352 | 69.2 | 4375 | 72 | AA833920 | GENA #2 encoding |
| U00008 | 1787.6 | 28.4 | 4174 | 32 | AA833921 | DNA encoding human |
| U00009 | 1490 | 33.7 | 3240 | 32 | AA833923 | DNA encoding human |
| U00010 | 913 | 14.5 | 1760 | 24 | AA833927 | Human cDNA encoding |
| U00011 | 707.2 | 11.2 | 1346 | 22 | AA833974 | DNA encoding human |
| U00012 | 797.1 | 11.2 | 1471 | 22 | AA833975 | Human cDNA encoding |
| U00013 | 628.8 | 10.0 | 1044 | 22 | AA833979 | Human cDNA encoding |
| U00014 | 626.4 | 10.0 | 1268 | 22 | AA834544 | DNA encoding human |

[illegible]

| | | | |
|-----------------|---|---|------|
| OY | 3771 | GAGTAACTATACGAGATAAGCGTTGGGCAAGCATATGAAGCATTGAGATTAATTCCT | 3840 |
| Dh | 3789 | GAGAGTGATACTGCATAGAGCTTAGGAGAACATATGAAGCAATATGTGATATATTCCT | 3840 |
| OY | 3841 | GAGTGAACGAGAAGAGAGATCCGCTATATGATGCCCTCTGAGATGATCACAGCATGA | 3900 |
| Dh | 3841 | GAGTGAATCGAAGAGAGATCCGCTATATGATGCCCTCTGAGATGATCACAGCATGA | 3900 |
| OY | 3901 | CATATGCTCTCTGATTTGCAATCTGAGGATACTTATTAAGTATATGAAATGAGATCTCT | 3960 |
| Dh | 3901 | CATATGCTCTCTGATTTGCAATCTGAGGATACTTATTAAGTATATGAAATGAGATCTCT | 3960 |
| OY | 3961 | GGAAACCAGCGCGAGCTTGATTTTGCGCGGAGAGAGAGAGAGAGAGAGAGAGAGAG | 4020 |
| Dh | 3961 | GGAAACCAGCGCGAGCTTGATTTTGCGCGGAGAGAGAGAGAGAGAGAGAGAGAGAG | 4020 |
| OY | 4021 | GAGTGAACGAGCTGCTGAGCGCGCGCGAGAGCTCTCTCTCTCTCTCTCTCTCTCTCT | 4080 |
| Dh | 4021 | GAGTGAACGAGCTGCTGAGCGCGCGAGAGCTCTCTCTCTCTCTCTCTCTCTCTCTCT | 4080 |
| OY | 4081 | AAGTAAAT | 4140 |
| Dh | 4081 | AAGTAAAT | 4140 |
| OY | 4141 | CAGGCGCTAACTGGAGATATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG | 4200 |
| Dh | 4141 | CAGGCGCTAACTGGAGATATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG | 4200 |
| OY | 4201 | CTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG | 4260 |
| Dh | 4201 | CTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG | 4260 |
| OY | 4261 | ATTCTTGAGCTGTATAGCTCAATGCTGTATATCTGATATGATATGATATGATATGA | 4320 |
| Dh | 4261 | ATTCTTGAGCTGTATAGCTCAATGCTGTATATCTGATATGATATGATATGATATGA | 4320 |
| OY | 4321 | GGATGCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA | 4382 |
| Dh | 4321 | GGATGCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA | 4382 |
| RESULT 3 | | | |
| ASIS1821 | | | |
| .. | ASIS1821 standard, cDNA, 4174 BP. | | |
| XX | ASIS1821; | | |
| XX | 18-DEC-2001 (first entry) | | |
| DE | DNA encoding human myosin-related protein, hMRP #1. | | |
| KW | Human; oestrogen regulated unconventional myosin-related protein; MRP; | | |
| KW | auditory; antihypertensive; osteoporosis; neuroprotective; neurologic; | | |
| KW | antiparkinsonian; cytototoxic; oestrogen receptor; alberschloessig; | | |
| KW | osteoporosis; breast cancer; cardiovascular disease; deafness; sr; | | |
| KW | Alzheimer's disease; Parkinson's disease; chromosome 19q25; immunogenic | | |
| XX | Homo sapiens. | | |
| XX | Key | Location/Qualifiers | |
| FT | CDS | 561..1874 | |
| FT | /tag= | a | |
| FT | /product= | "hMRP" | |
| FT | /note= | "Oestrogen-regulated unconventional myosin related protein" | |
| XX | MO200168866-A2. | | |
| PD | 20-SEP-2001. | | |
| XX | 12-MAR-2001; 2001WO-US08060. | | |
| PP | 10-MAP-2000; 2000US-18848P. | | |
| XP | | | |

3784

Isolated nucleic acid molecules are

Isolated nucleic acid molecule encoding a human secreted protein, is used in preventing, treating or ameliorating a medical condition

[illegible]

PP 01-NOV-2009; 2060US-0249300.
PP 01-DEC-2009; 2060US-0250160.
PP 01-DEC-2009; 2060US-0250160.
PR 05-DEC-2009; 2060US-0251030.
PR 05-DEC-2009; 2060US-0251088.
PR 05-DEC-2009; 2060US-0256719.
PR 06-DEC-2009; 2060US-0251479.
PR 08-DEC-2009; 2060US-0251856.
PR 08-DEC-2009; 2060US-0251868.
PR 08-DEC-2009; 2060US-0251869.
PR 08-DEC-2009; 2060US-0251989.
PR 08-DEC-2009; 2060US-0251990.
PR 11-JAN-2001; 2060US-0254097.
XX HIMA-) HUMAN GENOME SCL INC.

PI Posen CA, Parash SC, Puben SW;
DR WPI; 2001-581633/65.
XX P-PDSB; AAU87523.

PT New isolated nucleic acid encoding a protein for diagnosing,
PT preventing, treating or ameliorating medical conditions and used as
LT food additives or preservatives -
XX

PS Claim 1; SEQ ID No 443; 87bp; English.

CC The invention describes an isolated nucleic acid molecule (1) encoding a
CC novel central nervous system protein (1) and polypeptides (1) encoded
CC by (1), are used to treat a medical condition and in diagnosis of a
CC pathological condition. Disorders which are diagnosed or treated include
CC autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative
CC disorders e.g. neoplasms of the breast or liver, cardiovascular disorders
CC e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischemia,
CC angiogenesis, nervous system disorders e.g. Alzheimer's disease and
CC amyotrophic lateral sclerosis, infections caused by bacteria, viruses
CC e.g. Acquired immunodeficiency virus (AIDS) and fungi; ocular disorders
CC e.g. corneal infection, gastrointestinal disorders e.g. dysphagia,
CC adenocarcinomas and irritable bowel syndrome, reproductive system
CC disorders e.g. testicular feminization, endocrine disorders e.g. diabetes
CC and pituitary dwarfism, cancers and disorders at the cellular level e.g.
CC leukemia, disorders involving neurovasculature e.g. migraine, and
CC respiratory disorders e.g. nonallergic rhinitis, renal disorders e.g.
CC acute kidney failure and blood related disorders e.g. myocardial
CC infarction. Cell polypeptides can also be used to aid wound healing and
CC epithelial cell proliferation, to prevent skin aging due to sunburn, to
CC maintain organs before transplantation, for supporting cell culture of
CC primary tissues, to regenerate tissues and in chemotherapy. The
CC polypeptides can also be used as a food additive or preservative to
CC increase or decrease storage capabilities, fat content, lipid, protein,

Query Match 9 q% Score 621 2; DR 23; Length 1047;
Fast Local Similarity 80.4%; Pred No 6.4e-11;
Matches 72%, Conservative 1; Mismatches 174; Indels 0; Gaps 0;

CY 3161 AAGCGCTGGTGTGTTGGAGACGCCCAAGACCCTTCATGTGAATTGCATTACTGGTGAAAGAATC 2490
DB 1 ATGCTCTTGTCTCATTAACAATAACAAAATCTTTTAGAACAGAGTTGTTGTGTAAGAAAA 1140
CY 3241 CATGAGAGCAAGAACAATCTTCCAAACATTCCTTTATGACCTCTTAAAGATGAGTGGTCTTC 3300
DB 61 CATTCAAATACAAAGAGTTTTTAAATTAATTA TTTGAGGAGCTTTGAGAGAGAGTCTTCTT 120
CY 3301 GTATGCTAAAGCACCTTGSAAATGTTGTTTAAAGAGATGTTTAACTTTATGATTTTATGAGCA 4360
DB 121 CTATACAGCAATAGCTCTGSAATGTTTATATTAAGAAATGTTTAACTTTATGATTTTATGAGCA 480
CY 3361 GTTCAAGTCAATCAATAGCTCTCAATGTTTCTTCAAGATGAGATTTTCTGAGAAAGATTTATG 7440
DB 181 GTTGATGATATGCTATTAAGTCTAGAGCTGCTGTTGAGATATATTTATGAGAAATGCTTTTAT 240
CY 3421 AGAATGATGAGATTTGAGATTTTACAGATATAGGATATGAATTAATAAAGCTTTCTGGAGAA 3480

being, maintain organs before transplantation, and support cell culture of primary tissues. AA5304-AA5386 represent human secreted protein coding sequences, PCR primers, and related sequences of the invention. Next, the sequence data for this patent did not appear in the printed specification but was obtained in electronic format directly from WIPO's <http://pub.wipo.int/pub/> published list sequences.

Sequence: 9723 BP; 1950 A; 2842 C; 3079 G; 1832 T; 0 other;

Query Match 1.6%; Score 97.6; PE 22; Length 9703;
Best Local Similarity 77.6%; Pred. No. 1 1e-11;
Matches 119; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

CCGG CAGGCGGACCTGTGTGTGTGTATGTTAAACACCTGAAGTACTTGACCTGCT 5868

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[illegible][illegible]

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